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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/773,509	02/02/2001	Hirofumi Miyajima	046124-5060	3310	
9629	7590 06/19/2003				
MORGAN LEWIS & BOCKIUS LLP			EXAMINER		
	YLVANIA AVENUE NW ON, DC 20004		JACKSON, CORNELIUS H		
			ART UNIT	PAPER NUMBER	
			2828	· · · ·	
			DATE MAIL ED. 06/10/2002	DATE MAIL ED. 06/10/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

1	Application No.	Applicant(s)			
		Me			
Offic Acti n Summary	09/773,509	MIYAJIMA ET AL.			
Jine Health Cammany	Examiner	Art Unit			
The MAILING DATE of this communication ap	Cornelius H. Jackson	2828 the correspondence address			
Period for Reply		and con coponacion dad dec			
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a replection of the period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute. - Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b). Status	I36(a). In no event, however, may a reply ly within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTH e, cause the application to become ABAN	be timely filed 0) days will be considered timely. 6 from the mailing date of this communication. DONED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on <u>02</u>	February 2001 .				
2a) ☐ This action is FINAL . 2b) ☑ Th	nis action is non-final.				
3) Since this application is in condition for allow closed in accordance with the practice under					
Disposition of Claims 4)⊠ Claim(s) 1-19 is/are pending in the application	n				
4a) Of the above claim(s) is/are withdra					
5) Claim(s) is/are allowed.	wil from consideration.	_			
		Pasa			
6) Claim(s) 1-19 is/are rejected.		Paul Op			
7) Claim(s) is/are objected to.	or election requirement SUPE	PAUL IP			
PAUL IP 8) Claim(s) are subject to restriction and/or election requirement. SUPERVISORY PATENT EXAMINER Application Papers TECHNOLOGY CENTER 2800					
9) The specification is objected to by the Examine	er.	CENTER 2800			
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11)☐ The proposed drawing correction filed on	_ is: a)□ approved b)□ disa	pproved by the Examiner.			
If approved, corrected drawings are required in re	ply to this Office action.				
12)☐ The oath or declaration is objected to by the Ex	kaminer.				
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 1	19(a)-(d) or (f).			
a)⊠ All b)□ Some * c)□ None of:					
1. Certified copies of the priority document	ts have been received.				
2. Certified copies of the priority document	ts have been received in App	lication No			
3. Copies of the certified copies of the pric application from the International Bu * See the attached detailed Office action for a list	ureau (PCT Rule 17.2(a)).	_			
14) ☐ Acknowledgment is made of a claim for domest	•	•	n).		
a) ☐ The translation of the foreign language pro	ovisional application has been	n received.			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3	5) Notice of Info	nmary (PTO-413) Paper No(s) rmal Patent Application (PTO-152)			
U.S. Patent and Trademark Office PTO-326 (Rev. 04-01) Office A	ction Summary	Part of Paper No. 5			

Application/Control Number: 09/773,509

Art Unit: 2828

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Takigawa et al. (6097744). Regarding claim 1, Takigawa et al. disclose a heat sink (Figs. 2A-E, 4A-11B, see Figs 4A-C.) comprising a first planar member 31 having an upper face formed with a first groove portion 31D; a second planar member 33 having a lower face formed with a second groove portion, see col. 18, lines 36-40; and a partition 32 disposed between the upper face of the first planar member 31 and the lower face of the second planar member 33; the partition being formed with a hole 32C for communicating a first space and a second space to each other, the first space being formed by the first groove portion 31D and a lower face of the partition, the second space being formed by the second groove portion and an upper face of the partition;

Application/Control Number: 09/773,509

, Art Unit: 2828

the first space being provided with a first connecting member for connecting a bottom face of the groove portion and the lower face of the partition to each other; and a supply port 31A for supplying a fluid into the first space and a discharge port 31B for discharging the fluid from the second space, see col. 17, line 64-col. 20, line 19 and col. 33, line 56-col. 34, line 32.

Regarding claims 2-11, Takigawa et al. disclose all the stated limitations, see Figs. 36A-D and col. 33, line 56-col. 34, line 32.

Regarding claims 12-16, Takigawa et al. disclose all the stated limitations, see Figs. 4A-D and col. 17, line 64-col. 18, line 48.

Regarding claims 17-19, Takigawa et al. disclose all the stated limitations, see Figs. 14A-16 and col. 24, line 63-col. 26, line 11.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Mundinger et al. (US 5,105,429 A) disclose a similar invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cornelius H. Jackson whose telephone number is (703) 306-5981. The examiner can normally be reached on 8:00 - 5:00, Monday - Friday.

Application/Control Number: 09/773,509

, Art Unit: 2828

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the organization where this application or proceeding is assigned are (703)308-7722 for regular communications and (703)308-7721 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

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June 6, 2003

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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800